

September 18, 2019

C.R. Bard, Inc. Mona Shahrebani Regulatory Affairs Specialist 605 North 5600 West Salt Lake City, Utah 84116

Re: K191232

Trade/Device Name: AccuCath AceTM Intravascular Catheter

Regulation Number: 21 CFR 880.5200 Regulation Name: Intravascular Catheter

Regulatory Class: Class II Product Code: FOZ Dated: August 16, 2019 Received: August 19, 2019

Dear Mona Shahrebani:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. Although this letter refers to your product as a device, please be aware that some cleared products may instead be combination products. The 510(k) Premarket Notification Database located at https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm identifies combination product submissions. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the <u>Federal Register</u>.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's

requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803) for devices or postmarketing safety reporting (21 CFR 4, Subpart B) for combination products (see https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820) for devices or current good manufacturing practices (21 CFR 4, Subpart A) for combination products; and, if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to https://www.fda.gov/medical-device-problems.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance) and CDRH Learn (https://www.fda.gov/training-and-continuing-education/cdrh-learn). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice">https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

for Nikhil Thakur
Assistant Director
DHT3C: Division of Drug Delivery and
General Hospital Devices,
and Human Factors
OHT3: Office of Gastrorenal, ObGyn,
General Hospital and Urology Devices
Office of Product Evaluation and Quality
Center for Devices and Radiological Health

Enclosure

DEPARTMENT OF HEALTH AND HUMAN SERVICES Food and Drug Administration

Indications for Use

510(k) Number (if known)

Form Approved: OMB No. 0910-0120 Expiration Date: 06/30/2020

See PRA Statement below.

K191232				
Device Name AccuCath Ace TM Intravascular Catheter				
ndications for Use (Describe) The AccuCath Ace TM Intravascular Catheter is indicated for vascular access, including both the external and internal ugular veins, to sample blood, monitor blood pressure, or administer fluids intravenously. This device may be used with consideration given to adequacy of vascular anatomy, appropriateness of the solution being infused, and duration of herapy. The AccuCath Ace TM IV Catheter is suitable for use with power injectors.				
Type of Use (Select one or both, as applicable)				
Prescription Use (Part 21 CFR 801 Subpart D) Over-The-Counter Use (21 CFR 801 Subpart C)				

This section applies only to requirements of the Paperwork Reduction Act of 1995.

CONTINUE ON A SEPARATE PAGE IF NEEDED.

DO NOT SEND YOUR COMPLETED FORM TO THE PRA STAFF EMAIL ADDRESS BELOW.

The burden time for this collection of information is estimated to average 79 hours per response, including the time to review instructions, search existing data sources, gather and maintain the data needed and complete and review the collection of information. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden, to:

Department of Health and Human Services Food and Drug Administration Office of Chief Information Officer Paperwork Reduction Act (PRA) Staff PRAStaff@fda.hhs.gov

"An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB number."

510(k) Summary for AccuCath Ace™ Intravascular Catheter K191232

21 CFR 807.92(a)

As required by the Safe Medical Devices Act of 1990, coded under Section 513, Part(I)(3)(A) of the Food, Drug and Cosmetic Act, a 510(k) summary upon which substantial equivalence determination is based on is presented in the following table:

	Submitter Name:	Bard Access Systems, Inc. (Bard has joined BD)	
General Provisions	Submitter Address:	605 North 5600 West Salt Lake City, UT 84116	
	Contact Person:	Mona Shahrebani Regulatory Affairs Specialist	
	Telephone Number:	801.522.5967	
	Fax Number:	801.522.4907	
	Date of Preparation:	9/18/2019	
Subject Device	Trade Name(s):	AccuCath Ace™ Intravascular Catheter	
	Common Name:	Catheter, Intravascular, Therapeutic, Short-Term Less than 30 days	
	Regulation Name:	Intravascular Catheter	
	Class:	2	
	Regulation Number:	21 CFR 880.5200	
	Product Code:	FOZ	
	Classification Panel	General Hospital	

Predicate Device	Predicate Trade Name:	AccuCath™ Intravascular Catheter	
	Regulation Name:	Intravascular Catheter	
	Class:	2	
	Product Code:	FOZ	
	Regulation Number:	21 CFR 880.5200	
	Premarket Notification #:	K162894	
	Manufacturer:	Bard Access Systems, Inc.	
	Classification Panel	General Hospital	
	Reference Trade Name:	PowerGlide Pro™ Midline Catheter	
	Classification Name:	Catheter, Intravascular, Therapeutic, Short-Term Less than 30 days	
Reference Device	Class:	2	
	Product Code:	FOZ	
	Regulation Number:	21 CFR 880.5200	
	Premarket Notification #:	K153280	
	Manufacturer:	Bard Access Systems, Inc.	
	Classification Panel	General Hospital	
Device Description	The AccuCath Ace™ Intravascular Catheter consists of a radiopaque catheter with a valve mechanism delivered over a guidewire with an atraumatic tip design; a flashback chamber to enhance flashback visualization, and a safety container that prevents sharp injuries. The AccuCath Ace™ Intravascular Catheter is designed to reduce blood exposure during insertion.		
	The devices are single use, sterile, intravascular catheters offered in 18, 20, and 22 gauge configurations. All lumens are power injectable at their labeled flow rate.		
	The AccuCath Ace™ Intravascular Catheter is offered in Emergent Access Kit configurations with various components provided for the convenience of the end user.		
Intended Use	The AccuCath Ace™ Intravascular Catheter is intended to be inserted in the patient's vascular system for short term use to sample blood, monitor blood pressure, or administer fluids intravenously.		
Indications for Use	The AccuCath Ace™ Intravascular Catheter is indicated for vascular access, including both the external and internal jugular veins, to sample blood, monitor blood pressure, or administer fluids intravenously. This device may be used with consideration given to adequacy of vascular anatomy, appropriateness of the solution being infused, and duration of therapy. The AccuCath		

Ace™ IV Catheter is suitable for use with power injectors. Technological characteristics of the subject AccuCath Ace™ Intravascular Catheter are substantially equivalent with respect to basic design, function and fundamental scientific technology to those of the cited predicate device. The following table provides a comparison between the subject and predicate devices. Attribute Subject Device – AccuCath Ace™ Predicate Device – AccuCath Intravascular Catheter Intravascular Catheter Owner Same as predicate Bard Access Systems FOZ - 21 CFR 880.5200 Classification Same as predicate 510(k) Status Subject of this Premarket Notification K162894 – Concurrence date November 15. 2016 Indications for The AccuCath Ace™ Intravascular Catheter The AccuCath™ Intravascular Catheter is is indicated for vascular access, including inserted into a patient's vascular system to Use both the external and internal jugular veins, to sample blood, monitor blood pressure, or sample blood, monitor blood pressure, or administer fluids intravenously. This device administer fluids intravenously. This device may be used with consideration given to **Technological** may be used with consideration given to adequacy of vascular anatomy, **Characteristics** adequacy of vascular anatomy, appropriateness of the solution being appropriateness of the solution being infused, infused, and duration of therapy. The and duration of therapy. The AccuCath Ace™ AccuCath™ IV Catheter is suitable for use IV Catheter is suitable for use with power with power injectors. injectors. Commercial AccuCath Ace™ Intravascular Catheter AccuCath™ Intravascular Catheter Name **Emergent Access Kits** Catheter Same as predicate Gauge / Length Dimensions 18 gauge, 1.25 & 2.25 inches 20 gauge, 1.25 & 2.25 inches 22 gauge, 1.25 inches **Duration of Use** Same as predicate Short term (<30 days) Means of Same as predicate Percutaneous, over a Guidewire

	insertion				
	Insertion Site	Central, peripheral	peripheral		
	Primary Device	Same as predicate	Catheter Base Materials:		
	Materials		Shaft Tubing: Polyurethane		
			Luer Connector: Polyurethane		
			Needle:		
			Stainless Steel		
			Guidewire:		
			• Nitinol		
	Catheter Proximal Configuration	Same as predicate	Luer connection		
	Catheter Distal Configuration	Same as predicate	Open ended		
	Number of Lumens	Same as predicate	Single Lumen		
	Power Injection Maximum Flow Rate	Same as predicate	6 mL/s		
	Sterility	Same as predicate	Provided Sterile		
	Assessment. The char necessary. A risk anal- effectiveness. Therefo	nge in insertion site reflects the use of the device ysis was performed to assessed the changes and	lustry consensus standards, and as defined in the Risk in emergent situations where central access is different questions of safety and lly equivalent to the predicate device and do not raise		
Safety & Performance Tests	The following performance tests were conducted in determining substantial equivalence of the AccuCath Ace™ Intravascular Catheter to the predicate AccuCath™ Intravascular Catheter:				
	Biocompatibility per ISO 10993-1				

- Biocompatibility was leveraged from the sponsor's own devices-Predicate device (K162894) and Reference device (K153280) Sterility per AAMI/ANSI/ISO 11135:2014, Sterilization of health care products – Ethylene oxide – Requirements for development, validation and routine control of a sterilization process for medical devices. Risk Analysis per ISO 14971 Reference Standard: ISO 10555-1:2013 - Sterile Single-Use Intravascular Catheters - Part 1: General requirements **Power Injection** Test to confirm the catheter does not leak or burst as a result of power injections at Conditioning maximum indicated flow rate. **Hydraulic Catheter** Burst pressure test to confirm the catheter burst pressure exceeds the peak pressure **Burst Test** present in the catheter at maximum flow conditions when the distal end is occluded. Test to demonstrate the peak tensile force of each test piece exceeds the minimum **Shaft Tensile Test** peak tensile force. Technological characteristics of the subject AccuCath Ace™ Intravascular Catheter are substantially equivalent with regard to **Technological**
- Comparison to Predicate Device

Technological characteristics of the subject AccuCath Ace[™] Intravascular Catheter are substantially equivalent with regard to the basic design and function of the predicate device, AccuCath[™] Intravascular Catheter (K162894). All changes to materials are determined to be biologically safe for use, and the changes in design are considered substantially equivalent to the predicate device.

Summary of Substantial Equivalence

The modifications to the indications for use and product instructions for use has no impact on the intended use or the technological characteristics of the device. The results of the risk analysis as well as functional performance testing determined that the subject AccuCath Ace™ Intravascular Catheter has demonstrated to be substantially equivalent to the cited predicate device.